

Message

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**From:** Harmon, Alison [Ali.Harmon@arcadis.com]  
**Sent:** 12/3/2019 4:49:36 PM  
**To:** Vivian Craig [viviancraig@navajo-nsn.gov]; Werth, Drew [Andrew.Werth@arcadis.com]; Makerov, Mike [Mike.Makerov@BNSF.com]; Calanog, Steve [Calanog.Steve@epa.gov]  
**CC:** Darlene Jenkins [djenkins@navajo-nsn.gov]; Townsend, Amanda [townsend.amanda@epa.gov]; Gallo, Madeline [Gallo.Madeline@epa.gov]; Stegman, Allen M [allen.stegman@bnsf.com]; Thomas, Charles D [Charles.Thomas@BNSF.com]; Kuhl, Brooke [Brooke.Kuhl@BNSF.com]; David M. Metres [DMetres@bargcoffin.com]  
**Subject:** RE: Haystack Data Request from Nov. 2018  
**Attachments:** ATT00001.txt

Good morning,

BNSF is ok with the proposed home site locations shown in NNEPA's figure. However, we would like to point out that the homesite areas are only 0.64 acres when most homesite lease areas are 1 acre in size. Please provide a figure showing the 1 acre plots outside the AUM boundary and with EPA's potential relocation area.

Thanks  
Ali

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**From:** Vivian Craig <viviancraig@navajo-nsn.gov>  
**Sent:** Monday, December 2, 2019 4:53 PM  
**To:** Harmon, Alison <Ali.Harmon@arcadis.com>; Werth, Drew <Andrew.Werth@arcadis.com>; Makerov, Mike <Mike.Makerov@BNSF.com>; Calanog, Steve <Calanog.Steve@epa.gov>  
**Cc:** Darlene Jenkins <djenkins@navajo-nsn.gov>; Townsend, Amanda <townsend.amanda@epa.gov>; Gallo, Madeline <gallo.madeline@epa.gov>; Stegman, Allen M <allen.stegman@bnsf.com>; Thomas, Charles D <Charles.Thomas@BNSF.com>; Kuhl, Brooke <Brooke.Kuhl@BNSF.com>; David M. Metres <DMetres@bargcoffin.com>  
**Subject:** RE: Haystack Data Request from Nov. 2018

Good afternoon:

Darlene and I will be traveling to Haystack tomorrow to meet with the Ex. 6 Personal Privacy (PP) to look at locations for a new homesite out of the AUM boundaries. Please take a look at the attached file that Darlene completed and give us your thoughts/comments.

We will be leaving around 10:00 tomorrow morning.

Thank you,

Vivian

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**From:** Harmon, Alison <Ali.Harmon@arcadis.com>

**Sent:** Monday, December 2, 2019 6:51 AM

**To:** Werth, Drew; Makerov, Mike

**Cc:** Darlene Jenkins; Calanog, Steve; Townsend, Amanda; Gallo, Madeline; Vivian Craig; Stegman, Allen M; Thomas, Charles D; Kuhl, Brooke; David M. Metres

**Subject:** RE: Haystack Data Request from Nov. 2018

Happy December,

Please find a revised figure attached with the colors changed for clarity. As Mike previously mentioned, the proposed survey areas still overlap with the AUM boundary.

Ali

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**From:** Werth, Drew <Andrew.Werth@arcadis.com>

**Sent:** Wednesday, November 27, 2019 2:04 PM

**To:** Makerov, Mike <Mike.Makerov@BNSF.com>; Harmon, Alison <Ali.Harmon@arcadis.com>

**Cc:** Darlene Jenkins <djenkins@navajo-nsn.gov>; Calanog, Steve <Calanog.Steve@epa.gov>; Harmon, Alison <Ali.Harmon@arcadis.com>; Townsend, Amanda <townsend.amanda@epa.gov>; Gallo, Madeline <gallo.madeline@epa.gov>; Vivian Craig <viviancraig@navajo-nsn.gov>; Stegman, Allen M <allen.stegman@bnsf.com>; Thomas, Charles D <Charles.Thomas@BNSF.com>; Kuhl, Brooke <Brooke.Kuhl@BNSF.com>; David M. Metres <DMetres@bargcoffin.com>

**Subject:** RE: Haystack Data Request from Nov. 2018

Hi Mike – Attached is a figure with the AUM boundary added.

**Drew Werth**

O: 720.344.3892 C: 303.717.9966

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**From:** Makerov, Mike <Mike.Makerov@BNSF.com>

**Sent:** Wednesday, November 27, 2019 11:59 AM

**To:** Werth, Drew <Andrew.Werth@arcadis.com>; Harmon, Alison <Ali.Harmon@arcadis.com>

**Cc:** Darlene Jenkins <djenkins@navajo-nsn.gov>; Calanog, Steve <Calanog.Steve@epa.gov>; Harmon, Alison <Ali.Harmon@arcadis.com>; Townsend, Amanda <townsend.amanda@epa.gov>; Gallo, Madeline <gallo.madeline@epa.gov>; Vivian Craig <viviancraig@navajo-nsn.gov>; Stegman, Allen M <allen.stegman@bnsf.com>; Thomas, Charles D <Charles.Thomas@BNSF.com>; Kuhl, Brooke <Brooke.Kuhl@BNSF.com>; David M. Metres <DMetres@bargcoffin.com>

**Subject:** RE: Haystack Data Request from Nov. 2018

Drew, Ali,

Would you draw in the Haystack AUM Boundary Line on the attached Figure? It looks to me like the new proposed survey areas might still be in conflict with the AUM boundary itself.

Thanks,

Mike

**Mike W. Makerov**

| BNSF Railway Company

ED\_005011\_00000134-00002

Manager Environmental  
Remediation

740 E. Carnegie Drive | San Bernardino, CA 92408  
o: 909.386.4081 | c: 909.289.1893  
[Mike.makerov@bnsf.com](mailto:Mike.makerov@bnsf.com)

**From:** Vivian Craig [<mailto:viviancraig@navajo-nsn.gov>]

**Sent:** Wednesday, November 27, 2019 10:40 AM

**To:** Werth, Drew <[Andrew.Werth@arcadis.com](mailto:Andrew.Werth@arcadis.com)>

**Cc:** Darlene Jenkins <[djenkins@navajo-nsn.gov](mailto:djenkins@navajo-nsn.gov)>; Calanog, Steve <[Calanog.Steve@epa.gov](mailto:Calanog.Steve@epa.gov)>; Makerov, Mike <[Mike.Makerov@BNSF.com](mailto:Mike.Makerov@BNSF.com)>; Harmon, Alison <[ali.harmon@arcadis.com](mailto:ali.harmon@arcadis.com)>; Townsend, Amanda <[townsend.amanda@epa.gov](mailto:townsend.amanda@epa.gov)>; Gallo, Madeline <[gallo.madeline@epa.gov](mailto:gallo.madeline@epa.gov)>

**Subject:** RE: Haystack Data Request from Nov. 2018

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## EXTERNAL EMAIL

Good morning Drew:

I recieved a call back from Mr. Bitsoi-Surveyer yesterday. He is willing to re-do the home survey for Ex. 6 Personal Privacy (PP) on December 3, 2019. His cost for the survey will be \$315.00, do I work with Rena Martin to get this completed for next Tuesday.

I did get with Darlene and she has layered the homesites on the scanned site in Haystack.

Please let me know ASAP, so I can confirm with Mr. Bitsoi for December 3, 2019.

Vivian

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**From:** Werth, Drew <[Andrew.Werth@arcadis.com](mailto:Andrew.Werth@arcadis.com)>

**Sent:** Tuesday, November 26, 2019 2:50 PM

**To:** Vivian Craig

**Cc:** Darlene Jenkins; Calanog, Steve; Makerov, Mike; Harmon, Alison; Townsend, Amanda; Gallo, Madeline

**Subject:** RE: Haystack Data Request from Nov. 2018

Hi Vivian – Were you able to connect with Darlene on the figures for Haystack? Let me know if you have a status update.

Thanks,

Drew

**Drew Werth**

O: 720.344.3892 C: 303.717.9966

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**From:** Grubb, Alex <[Alex.Grubb@WestonSolutions.com](mailto:Alex.Grubb@WestonSolutions.com)>

**Sent:** Friday, November 22, 2019 4:22 PM

**To:** Werth, Drew <[Andrew.Werth@arcadis.com](mailto:Andrew.Werth@arcadis.com)>

**Cc:** Calanog, Steve <[Calanog.Steve@epa.gov](mailto:Calanog.Steve@epa.gov)>; Darlene Jenkins <[djenkins@navajo-nsn.gov](mailto:djenkins@navajo-nsn.gov)>; Makerov, Mike

<[Mike.Makerov@BNSF.com](mailto:Mike.Makerov@BNSF.com)>; Harmon, Alison <[Ali.Harmon@arcadis.com](mailto:Ali.Harmon@arcadis.com)>; Vivian Craig <[viviancraig@navajo-nsn.gov](mailto:viviancraig@navajo-nsn.gov)>

**Subject:** RE: Haystack Data Request from Nov. 2018

Hi Drew, attached here is the 2018 gamma scanning Shapefile (and yes, it was a 2x2, the Removal Assessment was mostly 3x3 which is why the figure shows relative background instead of cpm). I think Sam Cheek was the one in the field collecting the data, so I can follow up with him if you have any specific questions about anything.

FYI – the coordinate system/datum for the shapefile is GCS\_WGS\_1984 / D\_WGS\_1984.

Let me know if you need anything else,

Alex

**Alex Grubb**

*Weston Solutions*

2300 Clayton Rd, Ste 900

Concord, CA 94520

(925) 948.2656 Direct

(415) 928.9777 Cell

[Alex.Grubb@WestonSolutions.com](mailto:Alex.Grubb@WestonSolutions.com)

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**From:** Werth, Drew [<mailto:Andrew.Werth@arcadis.com>]

**Sent:** Friday, November 22, 2019 12:43 PM

**To:** Grubb, Alex <[Alex.Grubb@WestonSolutions.com](mailto:Alex.Grubb@WestonSolutions.com)>

Cc: Calanog, Steve <Calanog.Steve@epa.gov>; Darlene Jenkins <djenkins@navajo-nsn.gov>; Makerov, Mike <Mike.Makerov@BNSF.com>; Harmon, Alison <Ali.Harmon@arcadis.com>; Vivian Craig <viviancraig@navajo-nsn.gov>

**Subject:** Haystack Data Request from Nov. 2018

**Importance:** High

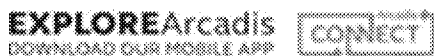
**\*\* External Email \*\***

Alex – Just got off the phone with USEPA/NNEPA. Can you send over the shapefiles of the attached gamma data? Looks like 2x2 but please confirm.

Thanks,  
Drew

**Drew Werth** | Project Manager | [andrew.werth@arcadis.com](mailto:andrew.werth@arcadis.com)  
**Arcadis** | Arcadis U.S., Inc.  
630 Plaza Drive, Highlands Ranch, Colorado | 80129 | USA  
T. +1 720 344 3892 | M. +1 303 717 9966

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